Work Sheet For Tree Ring Analysis

1.	Carefully examine the rings of the cross section of the tree sample provided to you. You								
	may need to use a magnifying glass especially with rings near the bark and pith areas of								
	the sample. Select three rings that seem to reflect above average precipitation for the								
	growing season of your tree sample based on the nominal size of all the rings on your								
	cross section. Determine the years that the above precipitation fell by counting the								
	rings starting with the ring closest to the bark. List the years you have selected below.								
	(The precipitation data available at the MY NASA DATA website starts with the year 1979.)								
	a.	Year		h	. Year		c. Year		
							o ou		
2.	Follow the procedures listed in the Tree Ring Analysis Lesson Plan								
	(http://mynasadata.larc.nasa.gov/preview_lesson.php?&passid=95)								
	to access the precipitation data for the years you have selected and record the data								
	below.								
	a.	Year _		b	•		C	_	
3.							=	nat the years	-
	selected were in fact wetter than normal for your sample, at least during the growing season. If your answer is <i>NO</i> , provide some reasons that might explain the differences.								
	season. If	your ans	swer is <i>NO,</i>	provide	some rea	sons that r	might expla	in the differ	ences.
	Ye	s	-	N	lo	_			
	Your ring	count wa	as off due to	o a false	ring at th	e camhium	n laver or n	erhaps the y	ear was
we								smaller. Ot	
			_				_	n the compe	

environmental factors may have affected tree growth such as a change in the competition from other trees or runoff from fertilized fields.

4. Respond below to the following questions: If your answer to the above was Yes does that mean that the extra precipitation is the only explanation for the increase in the size of the growth rings? Is there another source of data that you might check to verify the data that you have collected so far?

No, other environmental factors such as those mentioned above may have played a roll in the increase in the ring size. Weather data from NOAA, the National and local weather bureaus could also provide data to verify your results. A further check to determine if the increased precipitation is the primary cause for the increase in size would be tree analysis results from state and national forestry organizations and/or state universities.